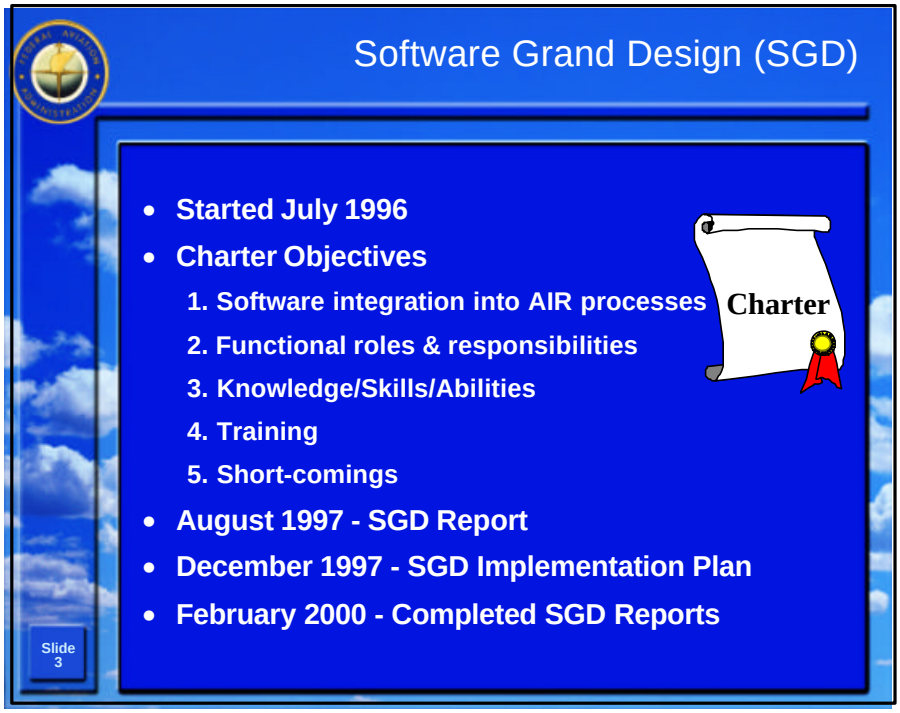
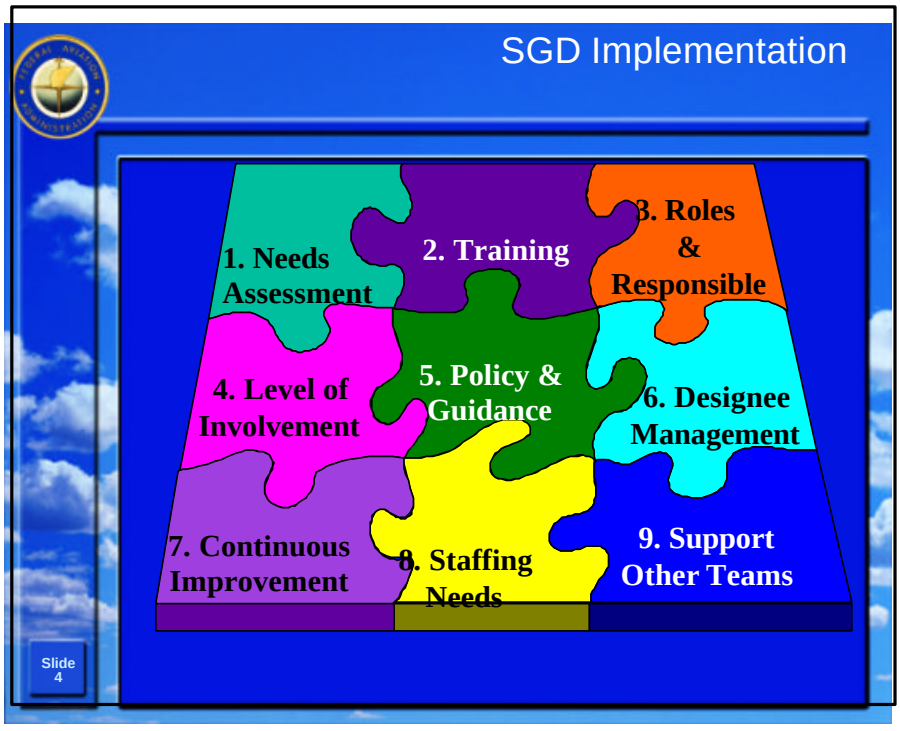
FAA National Software Conference
FAA Software Activities

FAA National Software Conference
FAA Software Activities





FAA National Software Conference
FAA Software Activities

FAA National Software Conference
FAA Software Activities

Streamlining Software Aspects of Cert (SSAC) (1/3)

- Program began in April, 1997
- Joint effort between airborne and ground-based communities
- Objectives:
  - **To analyze the current SW approval process**
  - **To assess if the expense/time burden yields the safety benefits**
  - **To establish streamlined processes for SW aspects of certification (faster, cheaper, safer)**
  - **Safety is a priority**

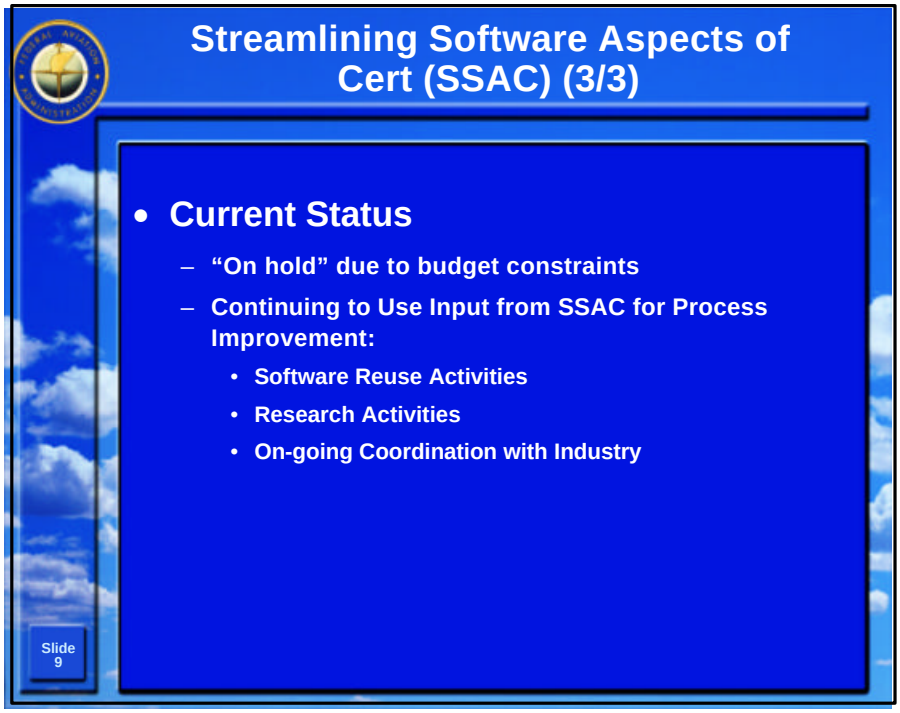
Slide 7

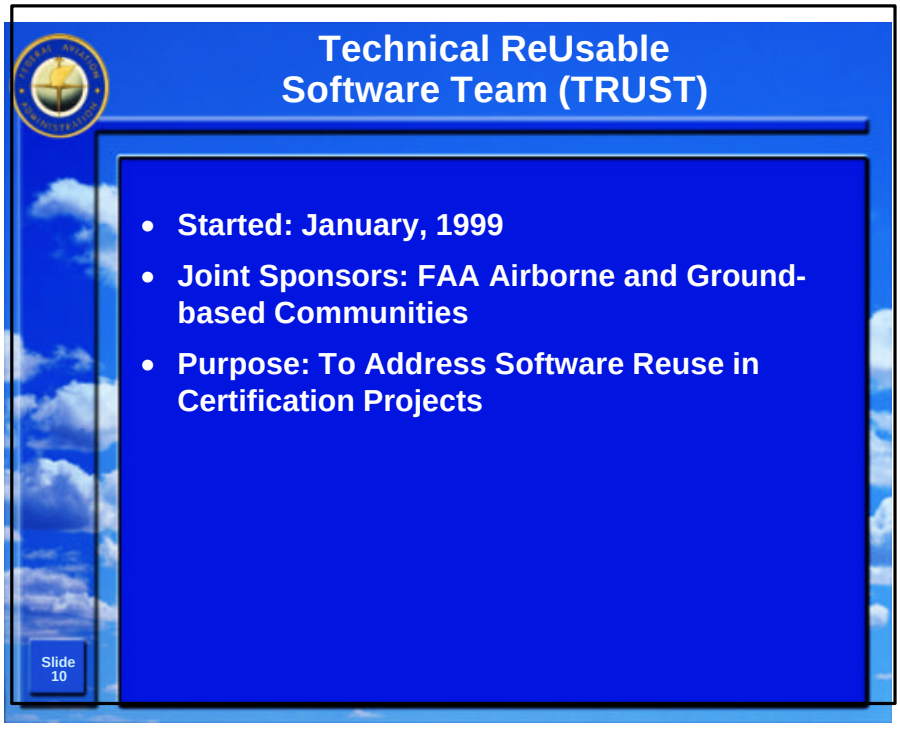
Streamlining Software Aspects of Cert (SSAC) (2/3)

- **Activities To Date:**
  - **Three Industry Workshops**
  - **Industry Survey**
  - **Survey Report with Recommendations To FAA**
  - **FAA Response to Recommendations**
  - **FAA Workshop**
  - **Web-site:**
    - **http://shemesh.larc.nasa.gov/ssac/**

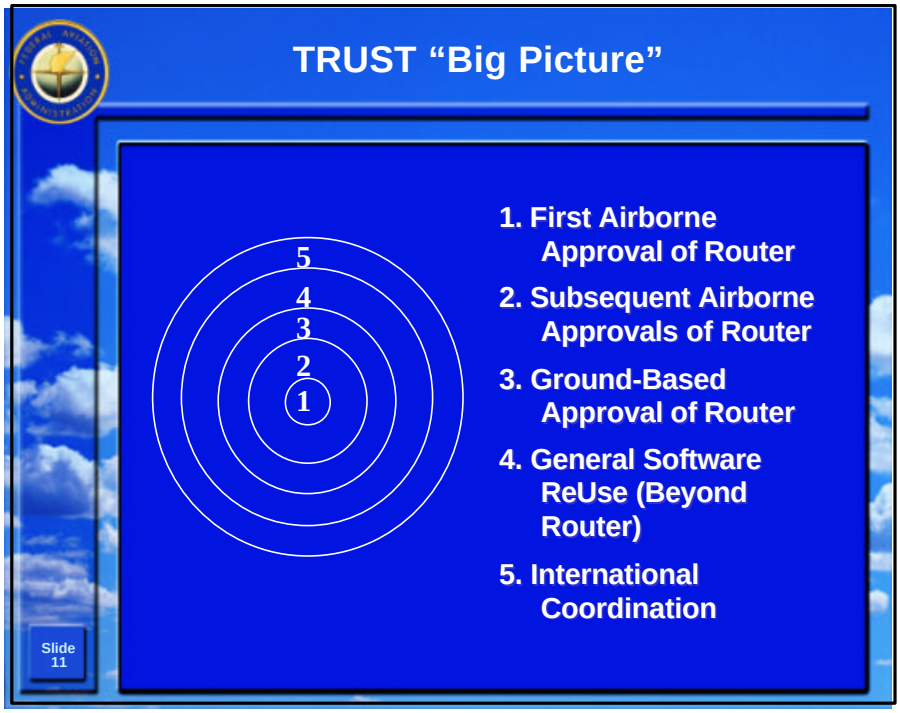
Slide 8

FAA National Software Conference
FAA Software Activities

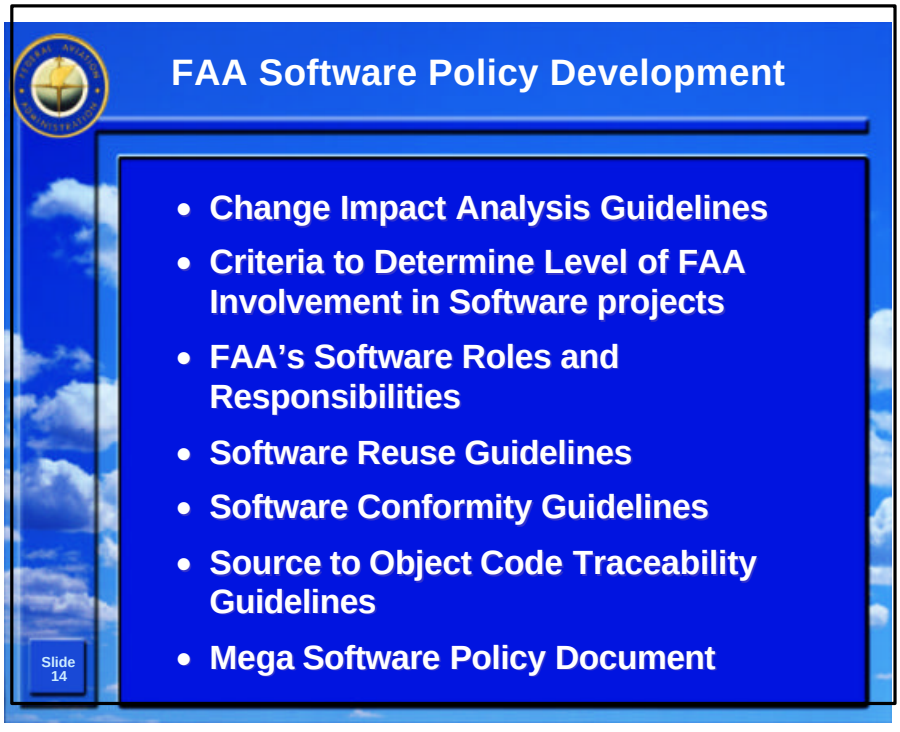




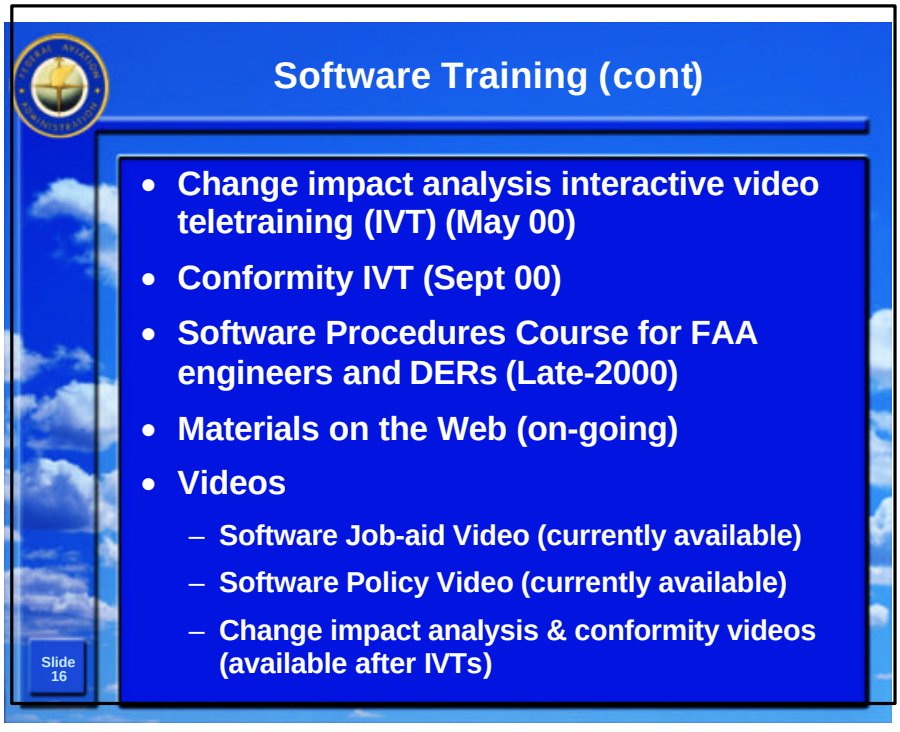
FAA National Software Conference
FAA Software Activities



FAA National Software Conference
FAA Software Activities



FAA National Software Conference
FAA Software Activities



FAA National Software Conference
FAA Software Activities

RTCA Software-Related Committees

- RTCA SC-190: DO-178B Clarification
  - Errata
  - Frequently Asked Questions
  - Discussion Papers
  - Annual Report
- RTCA SC-182: Avionics Computer Resource (completed)
- RTCA SC-180: Complex Electronic Hardware (completed)

Slide 17

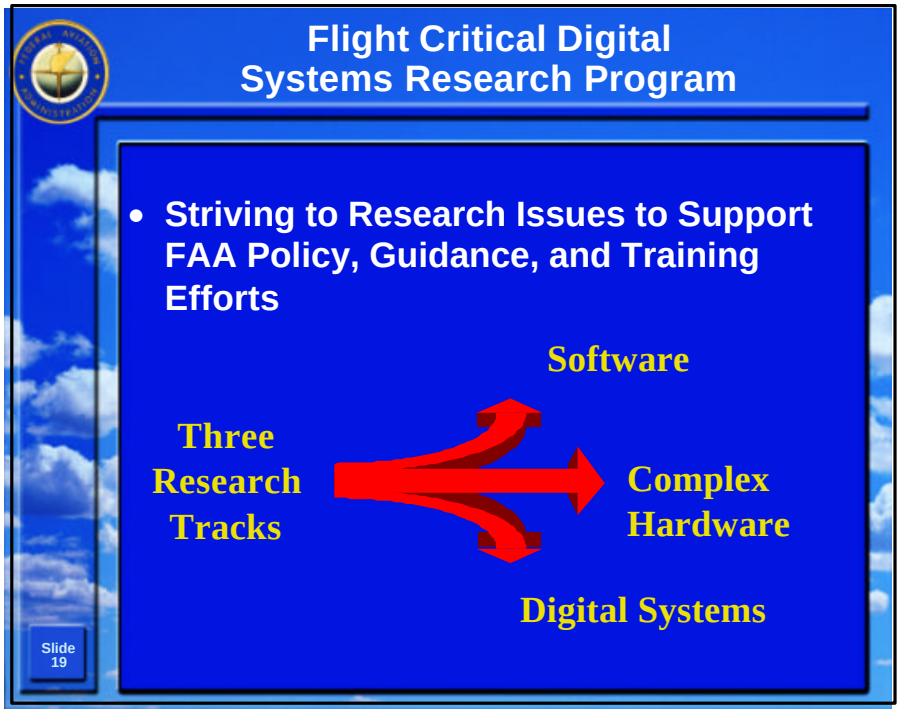
FAA Software Web-Site

Software Home Page:

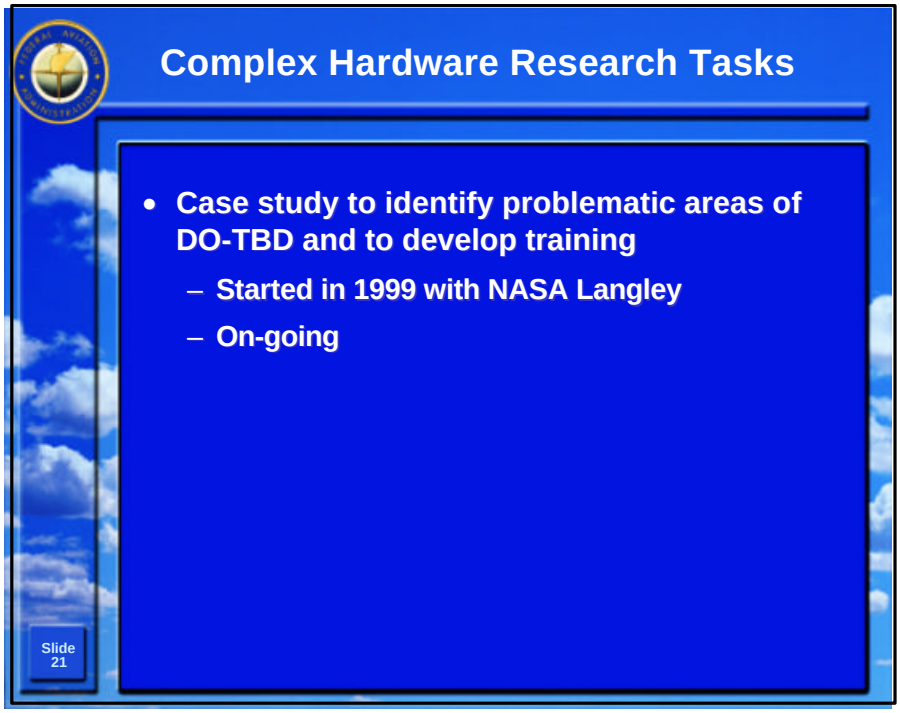
http://av-info.faa.gov/software

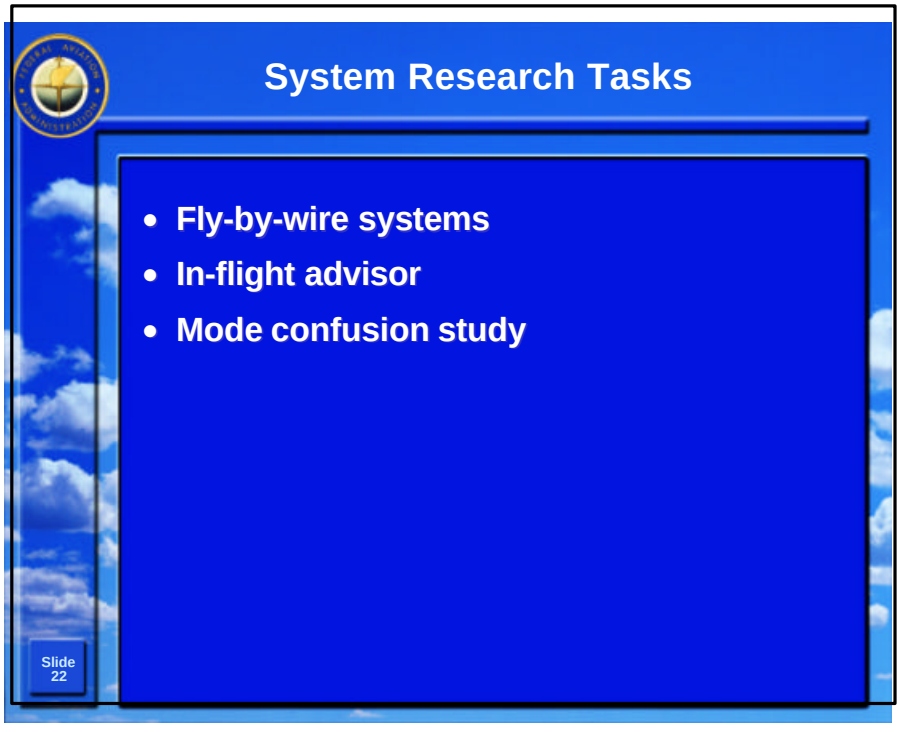
Slide 18

FAA National Software Conference
FAA Software Activities

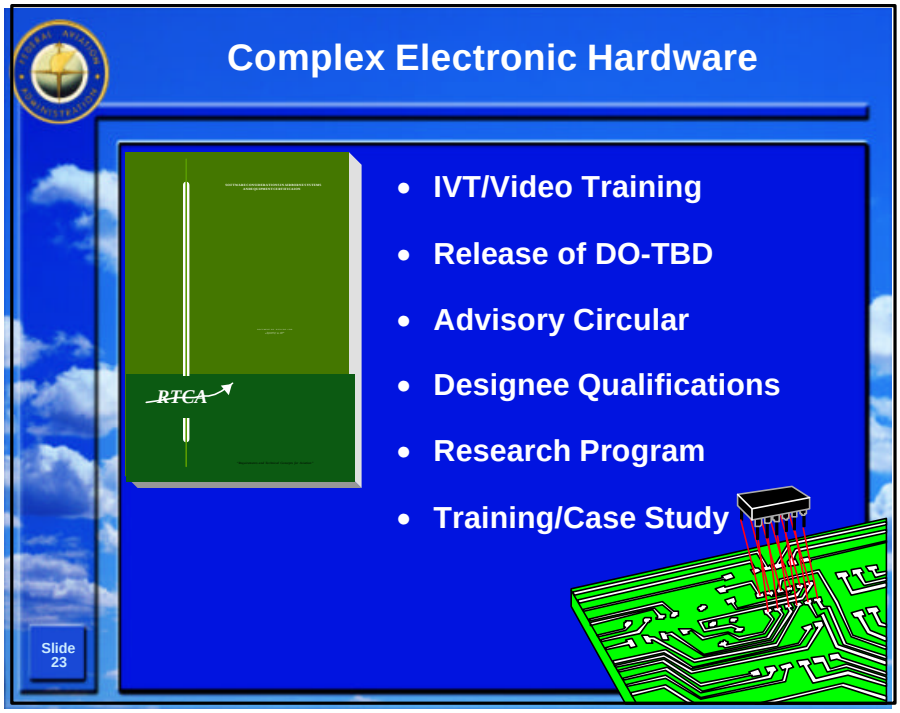


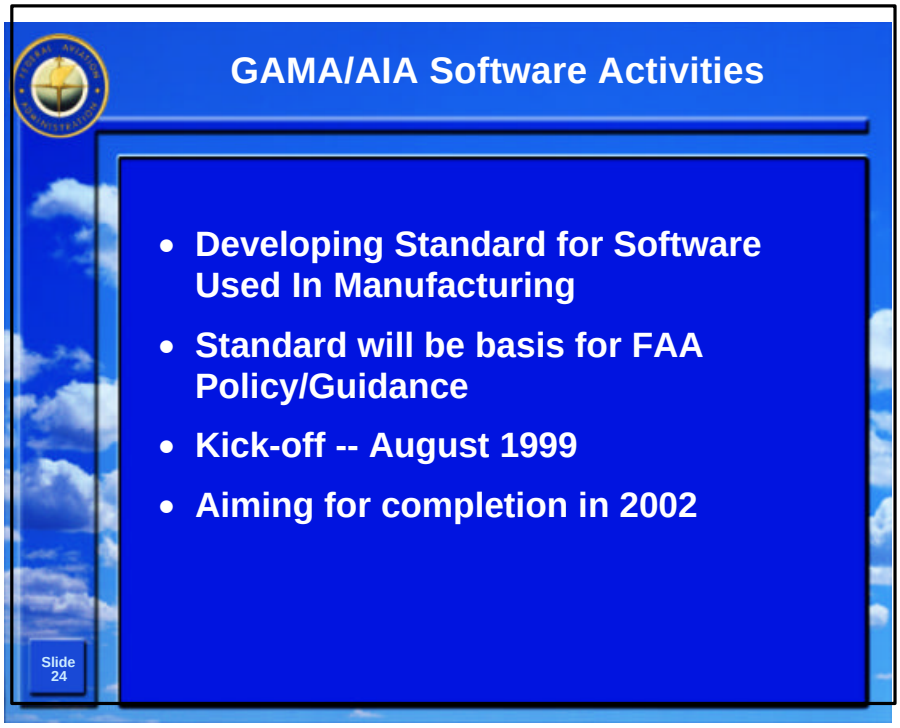
FAA National Software Conference
FAA Software Activities





FAA National Software Conference
FAA Software Activities





FAA National Software Conference
FAA Software Activities